SEQUENCE LISTING

<110> JURIDICAL FOUNDATION THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE <120> A method for the production of Ervsipelothrix rhusiopathiae surface protective antigen in Escherichia coli <130> 664968 <140> JP 2004-53882 <141> 2004-02-27 <160> 7 <170> PatentIn version 3.1 <210> 1 <211> 1881 <212> DNA <213> Erysipelothrix rhusiopathiae atgaaaaaga aaaaacacct atttccgaaa gtaagtctta tgtcgtgctt acttttaaca 60 qcaatqccac tacaaacaqc ttttqctqat tcqacaqata tttctqtqat tccactaatc 120 ggtgaacaag ttggattgct cccagtttta cctgggacag gggtacatgc tcaggaatac 180 aacaaaatga ctgatgctta tattgaaaaa ttggtatctc taattaatca aaaagtgaag 240 ccqtttctta taaatqaqcc aaaqqqqtac caaaqtttcq aaqcaqtqaa tqaaqaqatt 300 aactcqattq taaqtqaact taaaaatqaa qqaatqaqtc ttcaaaacat tcaccatatq 360 tttaaacaaa qcatccaaaa cctaqcaact aqaatcgqct acaqaaqttt tatqcaqqat 420 gctatgtatc ttgaaaattt tgaaagatta acgattcctg aacttgatga agcatacgtt 480 qatttactcq tqaattacqa qqtqaaacac cqtattttaq taaaatatqa aqqtaaaqtt 540 aaaggtagag ctcccttaga agcatttata gttcctctaa gagatagaat tcgtagtatg 600 aatgaaattg ctgcagaagt aaattattta cctgaagcgc atgaggattt cttagtttca 660 gattcaagcg agtataatga caaactaaat aatatcaact ttgctttggg tctaggggtc 720 780 agcgagttta ttgactataa ccggctcgaa aatatgatgg aaaaagaact tcatccactg tatottgaac tttatgotat goggagaaat ogccaaatto aagttgtaag agatgtatat 840 ccaaacttgg aacgtgcgaa cgcggttgtt gaatccttaa agacaattaa agatataaaa 900 caaaqaqqqa aqaaactaca qqaacttctt qaaatttata tccaaaqaaq tqqaqatgtt 960 cgaaaaccag atgtactcca acgatttatt ggaaaatatc aatcagtagt tgatgaagaa 1020 aaaaataaac ttcaagatta tttagaatca gatatttttg attcatatag tgtggatggc 1080 1140 gagaaaataa gaaataaaga aattacactc atcaatagag atgcatactt atctatgatt tacagagete aategattte ggaaattaag acgattegtg cagatttaga atcacttgte 1200 1260 aaatcattcc aaaatgaaga aagtgactct aaagtagagc ctgaaagtcc cgttaaagta gaaaaaccag ttgatgaaga aaaacctaaa gatcaaaaga agctagttga tcaatcaaaa 1320 1380 cccgaatcga attcaaaaga agggtggatt aagaaagata ataagtggtt ctatattgag aaatcaqqtq qaatqqcaac aqqttqqaaq aaqqtaqcaq acaaatqqta ctacctcqat 1440 aatacqqqtq ctataqttac qqqttqqaaq aaqqtaqcaa acaaatqqta ctatcttqaa 1500 aaatcaggtg cgatggcaac aggatggaag aaagtatcaa acaagtggta ctaccttqaa 1560 aactcaggtq caatggcaac aggatggaag aaagtatcaa acaagtggta ctaccttgaa 1620 aattcaggcg caatggctac aggatggaaa aaggtagcaa acaaatggta ctaccttqaa 1680 aactcaggtq cgatggcaac aggatggaag aaagtatcga acaagtggta ctaccttgaa 1740 1800 aactcaggcg caatggctac aggatggaaa aaggtagcaa acaaatggta ctaccttgat

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1881

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2105 4

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<213> Artificial

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